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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/854,665 | 05/15/2001 | Yukiko Takeda | HITA.0054 | 1136 |

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| EXAMINER |
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FERRIS, DERRICK W

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| ART UNIT | PAPER NUMBER |
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2663

DATE MAILED: 01/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/854,665

Applicant(s)

TAKEDA ET AL.

Examiner

Derrick W. Ferris

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 May 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7-10 and 13-15 is/are allowed.
- 6) ☒ Claim(s) 1-6, 11, 12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 May 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 5/15/2001.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

2. **Claims 1-3, 11, and 12** are rejected under 35 U.S.C. 102(a) as being anticipated by WO 99/37103 to *Nokia*.

As to **claim 1**, see figure 1 where a subscriber equipment is SGSN1, a plurality of gateways are GGSN, and a terminal is MS. Figure 1 shows the gateways communicating with the SGSN1 over the GPRS backbone network 13. A communication request is taught in figure 2 as an Activate PDP Context Request, see e.g., page 5, first paragraph with respect to selecting a gateway node. Page 5, lines 1-8 also teaches the gateway selected identifies a communication network corresponding to said communication request of equipment thereon. In figure 2, notifying said terminal equipment of an address information regarding the selected gateway is shown as the Activate PDP Context Accept, see e.g., page 12, lines 16-23.

As to **claim 2**, the service control equipment is the HLR, see e.g., page 7, lines 6-19. Here the HLR stores the subscriber information regarding the terminal equipment as well as using the subscriber information where the selected gateway identifies a communication network corresponding to said communication request or equipment

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thereon. In particular, see figure 1 where the gateways are used to identify a particular network.

As to **claim 3**, if the address is statically assigned then the specific service is not indicated in the communication request.

As to **claim 11**, see similar rejection to claim 1. In particular, the gateway is GGSN. As such, shown in figure 1, the GGSN is connected to a packet communication network 13, which is provided means for communicating with subscriber equipment (e.g., SGSN1), equipment on another packet communications network (e.g., data network PDN or private corporate network 15), and equipment on another communication network (e.g., ss7 through Gb interface). In addition, the service control equipment in which location information and service information regarding each subscriber terminal are stored in each entry in the PDP context table, see e.g., page 11, lines 18-31. As noted, the PDP context table contains both location information and service information. With respect to the limitations, figure 1 show means for communicating with enterprise network equipment over another communication network, see e.g., private corporate network 15). Service control means for receiving from said subscriber equipment a control signal for enabling packet data communication with a mobile terminal and for detecting a request for communication with said enterprise network equipment from destination-of-connection information included in said control signal is taught as the Create PDP Context Request shown in figure 2. See e.g., page 11.

As to **claim 12**, the Create PDP Context Request, see e.g., figure 2, is used to setup a connection for said mobile terminal between said gateway and equipment for

connecting said enterprise network equipment with another communication network so as to carry out communication with said enterprise network.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 4-6** are rejected under 35 U.S.C. 103(a) as being unpatentable over WO 99/37103 to *Nokia* in view of "Ipv6: The New Internet Protocol" to *Stallings*.

As such to **claim 4**, *Nokia* discloses means for issuing a communication request including the access point name to subscriber equipment in a mobile communication network as step 1 in figure 2, see e.g., page 10, lines 6-24. *Nokia* also teaches means for receiving address information of a gateway identified by said access point name as step 7 in figure 12, see e.g., page 12. Finally, *Nokia* teaches means for assembling a header for each packet using said address information and for sending each said packet having an IP header once the connection is established and in the ready state, see e.g., bottom of page 8.

Nokia is silent or deficient to the further limitation of using IPv6. In particular, *Nokia* teaches using IP but does not specify what version of IP is used, see e.g., page 9, lines 7-16.

Stallings teaches the further recited limitation above at e.g., the Abstract.

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The proposed modification of the above-applied reference(s) necessary to arrive at the claimed subject matter would be to modify *Nokia* by *Stallings* by clarifying that IPv6 is used where IPv6 contains an IPv6 header and IPv6 routing header.

As such, examiner notes that it would have been obvious to one skilled in the art prior to applicant's invention to include the above limitation. In particular, the motivation for modifying the reference or to combine the reference teachings would be to increase the number of IP addresses. In particular, *Stallings* cures the above-cited deficiency by providing a motivation found at e.g., the Abstract. Second, there would be a reasonable expectation of success since both references teach IP. Thus the references either in singular or in combination teach the above claim limitation(s).

As to **claim 5**, the Activate PDP Context Request contains addressing information used to reach the communications network such as the PDP context address.

As to **claim 6**, if the address is statically assigned then the specific service is not indicated in the communication request. Thus an ordinary packet is sent.

Allowable Subject Matter

5. **Claims 7-9, 10, 13, 14, and 15** are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Derrick W. Ferris whose telephone number is (571) 272-3123.

The examiner can normally be reached on M-F 9 A.M. - 4:30 P.M. E.S.T.


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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Derrick W. Ferris
Examiner
Art Unit 2663

DWF


Derrick W. Ferris
1/8/05